

Cyber Security Value of a transatlantic dimension

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U.S.-CREST

- Academic organization specializing in transatlantic aerospace and defense issues
- Purpose: Contribute to bridging civil aerospace and defense policies and practices across the Atlantic
- Study program: experimentation & concepts – Interoperability (capability – doctrine – technology) – civil aviation / airworthiness – Policies and practices (export control – cyber security)
- Fact finding and synthesis business: no stake in the game, “honest broker” – seasoned experts from a variety of background – hundreds of years of government / defense / industry experience and education in small and agile task-based teams – Detailed technical approach focused on practitioner view points.

U.S.-CREST Cyber program

- Contribute to bridging cyber security policy across the Atlantic
- Cyber security policies, strategies and practices are key elements of the transatlantic defense relationship and a cornerstone of coalition operations
- A coordinated and complimentary cyber security policy between the US and its European allies will be the most effective for all
- Sharing mutual understanding, best practices, doctrine and standards is the first step in fielding a coordinated coalition cyber strategy

U.S.-CREST: SwA and the coalition perspective (1/2)

- Supply Chain Risk Management & SwA
- Forefront of interoperability for coalition operation (prepare / conduct / assess) – Confidence among allies networks
- 2 trends to reconcile
 - From firewalls to software – so many opportunities to insert “malware”
 - Coalition needs: situational awareness (strategic & tactical) - interconnect allies command and control networks - From gateways to unique crypto enclave

U.S.-CREST: SwA and the coalition perspective (2/2)

- Collective security among allied nations: market place goes beyond frontiers - similar vulnerabilities coming from same vendors – key to defense keeping pace with threat is “real-time” threat information sharing – key to prosecution is nations operating together
- Private / commercial sector can't solve problems on their own – Applications matter
- Beyond standards, concept of operation, operational procedures
- Many thanks to the SwA forum: promote best practices – Is there scope for coordination / harmonization among the transatlantic defense community ? What are the main challenges in implementing it ?